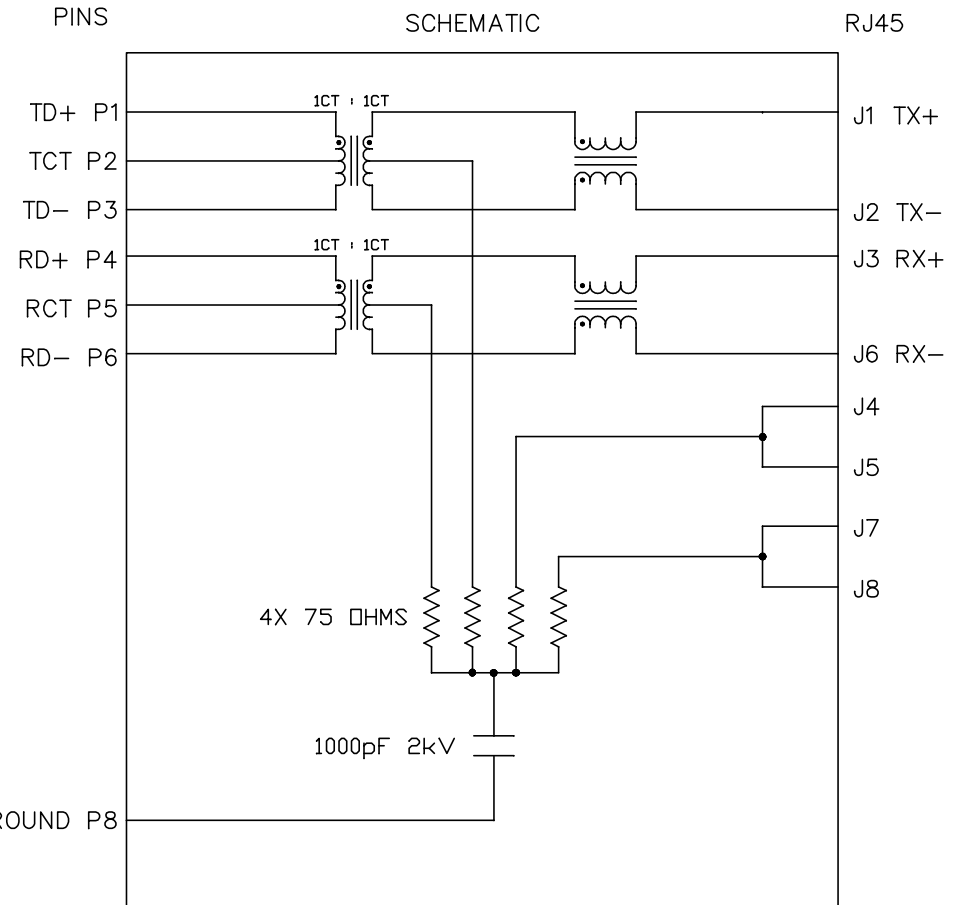




ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE: (P6-P4) (P3-P1)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
2.0 TURNS RATIO: (P6-P4):(J6-J3) (P3-P1):(J2-J1)	: 1CT : 1CT ± 3% : 1CT : 1CT ± 3%
3.0 DC RESISTANCE: (J6-J3)=(J2-J1)	: 1.5 OHMS MAX.
4.0 INSERTION LOSS: 100kHz TO 100MHz	: -1.1dB TYP.
5.0 RETURN LOSS: 100 OHMS SOURCE APPLIED TO J-PINS 1MHz TO 30MHz 60MHz TO 80MHz NOTE: 100 OHMS CONNECTED TO (P6-P4) OR (P1-P3)	: -18dB MIN. : -12dB MIN.
6.0 CROSS TALK: 1MHz TO 100MHz	: -40dB TYP.
7.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz	: -35dB TYP.
8.0 RISE TIME: OUTPUT VOLTAGE=1 V PEAK PULSE WIDTH=112ns	: 3.0 nS MAX : 3.0 nS MAX
9.0 VOLTAGE WITHSTAND: (J1,J2) TO (P1,P3) (J3,J6) TO (P4,P6)	: 1500Vrms : 1500Vrms
10.0 OPERATING TEMPERATURE RANGE: -40°C TO 85°C	

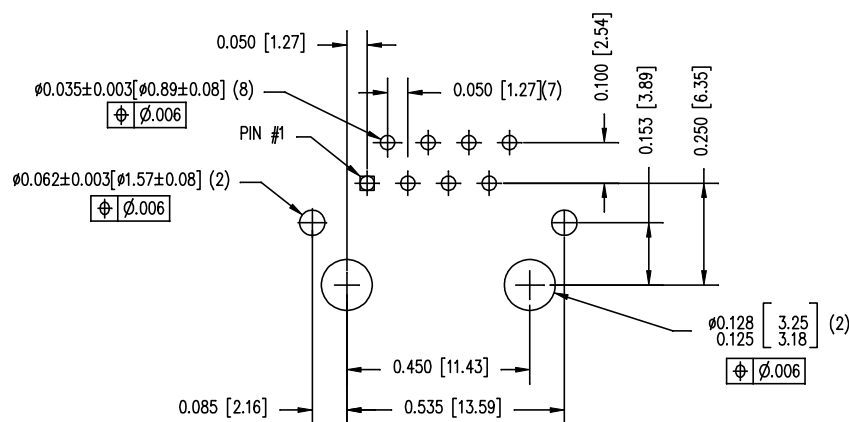


NOTES: 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

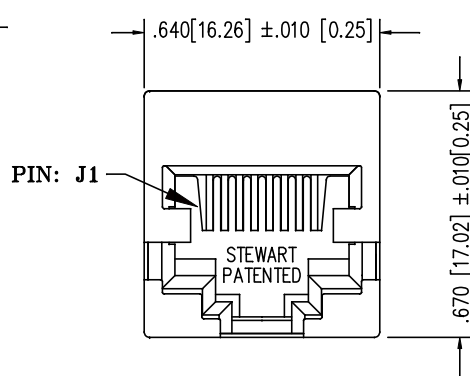
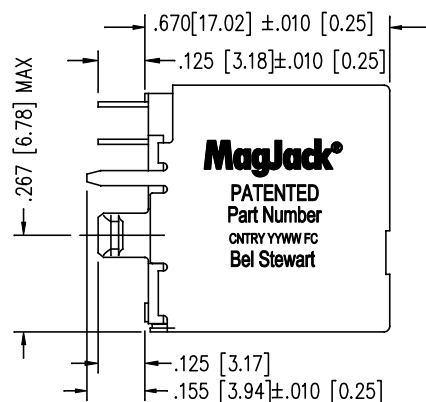
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
X.B Wei	05-27-10	MagJack® 10/100BT, VERTICAL, SHIELDED PATENTED	SI-16003-F FILE NAME SI-16003-F.DWG	TOL. IN INCH	UNIT : INCH [mm]	REV. : A1	
DRAWN BY	DATE			.X	SCALE : N/A	SIZE : A4	
RS Zhang	05-27-10			.XX		PAGE : 2	
				.XXX	±0.005		

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RoHS
2002/95/EC



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC



NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		
X.B Wei	05-27-10	MagJack® 10/100BT, VERTICAL, SHIELDED PATENTED	SI-16003-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A1	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
RS Zhang	05-27-10		SI-16003-F.DWG	.XX		PAGE : 3	
				.XXX	±0.005		